



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Dimock Residential Groundwater Site

Sample Collection Date(s)-- 05/22/12 - 05/23/12

Contact----- Cynthia Caporale (3EA21)

Report Date-----06/14/12

Project #----- 12SF110

Work Order(s)----- 1205010

Analyses included in this report:

ABN Glycols

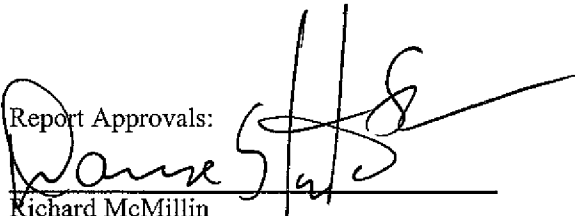
Report Narrative


During the analysis of samples, a sequence error occurred that prevented the ending calibration checks from running. The ending calibration checks were analyzed the next morning. No targets were found in the samples.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:


Richard McMillin
Region 6 Laboratory Manager


David Neleigh
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Dimock Residential Groundwater Site

Project Number: 12SF110

Data Management Coordinator: Christy Warren

Christy Warren
Data Management Coordinator Signature

6/14/12
Date

Date Transmitted: 6/14/12

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
FB23	1205010-01	Liquid	5/23/12 13:25	05/24/12 09:00
HW63	1205010-02	Liquid	5/23/12 13:09	05/24/12 09:00
HW63z	1205010-03	Liquid	5/23/12 13:10	05/24/12 09:00
FB22	1205010-04	Liquid	5/22/12 11:58	05/24/12 09:00
HW62	1205010-05	Liquid	5/22/12 15:59	05/24/12 09:00
HW64	1205010-06	Liquid	5/22/12 11:10	05/24/12 09:00
HW64-P	1205010-07	Liquid	5/22/12 11:40	05/24/12 09:00



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-01

Station ID: FB23

Batch: B2E2402

Date Collected: 05/23/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-02

Station ID: HW63

Batch: B2E2402

Date Collected: 05/23/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-03

Station ID: HW63z

Batch: B2E2402

Date Collected: 05/23/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-04

Station ID: FB22

Batch: B2E2402

Date Collected: 05/22/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-05

Station ID: HW62

Batch: B2E2402

Date Collected: 05/22/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-06

Station ID: HW64

Batch: B2E2402

Date Collected: 05/22/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS

Lab ID: 1205010-07

Station ID: HW64-P

Batch: B2E2402

Date Collected: 05/22/12

Sample Type: Liquid

Sample Vol: 1ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Propylene glycol (57-55-6)	U		2.0	1	05/24/12	05/24/12
Ethylene glycol (107-21-1)	U		2.0	"	"	"

DG



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone: (281) 983-2100 Fax: (281) 983-2248

Glycols by Direct Aqueous Injection Modified 8270 - GC/MS - Quality Control

Batch: B2E2402

Sample Type: Liquid

Blank (B2E2402-BLK1)

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit
Propylene glycol	U	2.0
Ethylene glycol	U	2.0

LCS (B2E2402-BS1)

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	Spike Level	%REC Limits
Propylene glycol	9.2	2.0	10.0	91.8 70-130
Ethylene glycol	9.4	2.0	10.0	94.3 70-130

Matrix Spike (B2E2402-MS1)

Source: 1205010-05

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	Spike Level	Source Result	%REC Limits
Propylene glycol	9.8	2.0	10.0		98.3 70-130
Ethylene glycol	11.1	2.0	10.0		111 70-130

Matrix Spike Dup (B2E2402-MSD1)

Source: 1205010-05

Prepared: 5/24/2012 Analyzed: 5/24/2012

Targets

ANALYTE	Result mg/L	Analyte Reporting Qualifiers Limit	Spike Level	Source Result	%REC Limits	RPD Limit
Propylene glycol	9.0	2.0	10.0		90.0 70-130	8.89 30
Ethylene glycol	10.5	2.0	10.0		105 70-130	5.58 30



Environmental Protection Agency Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone: (281) 983-2100 Fax: (281) 983-2248

Page 1 of 1
USEPA CLP Generic COC (Lab Copy)
Date Shipped: 5/22/2012
Case Name: F05X
Analysis: 1205-1767-7537
Case #: C19030
Lab Contact:
Lab Phone: 2819832137
No: 3-052312-111024-0250
Lab: EPA R6 Laboratory

CHAIN OF CUSTODY RECORD

Sample #	Matrix/Sampler	Coll. Method	Analysis/Instrument	Tag/Preservation/Bottles	Shaded Location	Collected	For Lab Use Only
F022	Aqueous Mite Filter	Grab	Ethylene Glycol, Ethylene Glycol	2332 (NA) / 40m Glass Vial (2)	FRT2	05/22/2012 11:59	
HV02	Drinking Water Mite Filter	Grab	Ethylene Glycol, Ethylene Glycol, Ethylene Glycol, Ethylene Glycol	2332 (NA) / 40m Glass Vial (2)	HV02	05/22/2012 11:59	
HV04	Drinking Water Mite Filter	Grab	Ethylene Glycol, Ethylene Glycol	2332 (NA) / 40m Glass Vial (2)	HV04	05/22/2012 11:10	
HV04-P	Drinking Water Mite Filter	Grab	Ethylene Glycol, Ethylene Glycol	2332 (NA) / 40m Glass Vial (2)	HV04-P	05/22/2012 11:40	

Shipment for Case Completed: N
Samples Transferred From Chain of Custody #
Sensitized to be used for Lab CC: HV02
Analysis No:

Reason	Relinquished By	Date	Time	Received By	Date	Time
12	12/11/12	5:30 PM	12/11/12	12/11/12	9:00 AM	12/11/12

Sample Temp: 5°C



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.